January 24, 2003

Mr. Richard Wise
Walsh & Kelly, Inc.
24358 S. R. 23
South Bend, IN 46614

Re: 141-16847
First Minor Permit Revision to
FESOP 141-9888-03219

Dear Mr. Wise:

Walsh & Kelly, Inc. was issued a FESOP on May 14, 1999, for operation of a portable drum mix asphalt plant. A letter requesting changes to this permit was received on November 27, 2002. Pursuant to the provisions of 326 IAC 2-8-11.1 a minor permit revision to this permit is hereby approved as described in the attached Technical Support Document.

The modification consists of the addition of a portable rock crusher with a maximum capacity of 300 tons per hour, which is being relocated from Walsh & Kelly, Inc.'s Griffith facility.

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the minor permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this modification and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Madhurima Moulik, OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, or call at (800) 451-6027, press 0 and ask for Madhurima Moulik or extension 3-0868, or dial (317) 233-0868.

Sincerely,
Original signed by Paul Dubenetzky

Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments
mm
cc: File - St. Joseph County
U.S. EPA, Region V
St. Joseph County Health Department
Northern Regional Office
Air Compliance Section Inspector - Rick Reynolds
Compliance Data Section - Karen Nowak
Administrative and Development

Technical Support and Modeling - Michele Boner

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) OFFICE OF AIR QUALITY and ST. JOSEPH COUNTY HEALTH DEPARTMENT

Walsh & Kelly, Inc.

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 and 326 IAC 2-1-3.2, as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F141-9888-03219	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date: 5-14-1999

1st Reopening No. 141-13102 Issuance Date: 9-27-2001

1st Minor Permit Revision No.: 141-16847	Pages Modified: 6, 38a
Issued by:Original signed by Paul dubenetzky Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date:January 24, 2003

(12) Four (4) surge silos, each with a capacity of 300 tons.

(13) One (1) dust silo, using one (1) jetpulse baghouse for controlling particulate matter emissions, exhausting at one (1) stack identified as S-2.

(14) one (1) portable tertiary crusher, with a maximum capacity of 300 tons per hour, using water spray for fugitive particulate emissions control.

A.4 FESOP Applicability [326 IAC 2-8-2]

This portable source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) for a Federally Enforceable State Operating Permit (FESOP).

A.5 Prior Permit Conditions

(a) This permit shall be used as the primary document for determining compliance with applicable requirements established by previously issued permits.

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, including any term or condition from a previously issued construction or operation permit, IDEM, OAQ, and the St. Joseph County Health Department shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued.

SECTION D.5 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

(14) one (1) portable tertiary crusher, with a maximum capacity of 300 tons per hour, using water spray for fugitive particulate emissions control.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emissions Limitations and Standards

D.5.1 General Provisions Relating to NSPS [326 IAC 12-1][40 CFR Part 60, Subpart A]

The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the facilities described in this section except when otherwise specified in 40 CFR Part 60, Subpart OOO.

D.5.2 Particulate Matter (PM) [40 CFR Part 60, Subpart OOO] [326 IAC 6-1-2]

(a) Pursuant to the New Source Performance Standards, 326 IAC 12 and 40 CFR 60.672 (b),(c), Subpart OOO (Standards of Performance for Nonmetallic Mineral Processing Plants) the particulate emissions from the crushing operation shall be limited to fifteen percent (15%) opacity or less and ten percent (10%) opacity or less, respectively.

(b) Pursuant to 326 IAC 6-1-2 (Particulate Emissions Limitations), the allowable particulate matter emissions from the crushing operations shall be limited to 63.0 lb/hr.

Compliance Determination Requirements

D.5.3 Testing Requirements [326 IAC 2-1-4(f)]

Pursuant to 40 CFR 60.675(c) and 40 CFR 60.11, opacity tests to determine compliance with operation condition D.5.2 shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after permit issuance. These tests shall be performed according to 326 IAC 3-6 (Source Sampling Procedures) utilizing U. S. EPA Method 9 (40 CFR Part 60, Appendix A) or other methods as approved by the Commissioner.

Opacity testing on the rock crusher performed on October 14, 2002, will fulfill the above testing requirement. This testing was related to FESOP No. 089-15208-03215.

Compliance Monitoring Requirements

D.5.4 Continuous Wet Suppression

Fugitive emissions from the crushing operation shall be controlled by utilizing a continuous wet suppression system in order to meet the requirements of condition D.5.2.

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Minor Permit Revision to a Federally Enforceable State Operating Permit

Source Background and Description

Source Name:	**Walsh & Kelly, Inc.**
Source Location:	**24358 State Road 23, South Bend, Indiana 46614**
County:	**St. Joseph**
SIC Code:	**2951**
Operation Permit No.:	**141-9888-03219**
Operation Permit Issuance Date:	**5-14-1999**
Minor Permit Revision No.:	**141-16847**
Permit Reviewer:	**Madhurima D. Moulik**

The Office of Air Quality (OAQ) has reviewed a revision application from Walsh & Kelly, Inc. relating to the operation of a portable drum mix asphalt plant. The source is requesting the addition of the following new emission unit:

(1) One (1) portable tertiary crusher, with a maximum capacity of 300 tons per hour, using water spray for fugitive particulate emissions control.

History

On November 27, 2002, Walsh & Kelly, Inc. submitted an application for modifications related to their South Bend facility. Walsh & Kelly is proposing to add one (1) portable rock crusher to their South Bend plant. This equipment is currently in use at Walsh & Kelly's Griffith Plant, permitted under F 089-15208-03215.

Justification for the Revision

The FESOP is being modified through a Minor Permit Revision. This revision is being performed pursuant to 326 IAC 2-8-11.1(d)(2), which states that Minor Permit Revision can be used for "the addition of a portable source or relocation of a portable source to an existing source, if the addition or relocation would require a change to any permit terms or conditions". The addition of the portable rock crusher meets the above requirement, therefore, a Minor Permit Revision will be issued.

Existing Approvals

The source was issued a FESOP (F141-9888-03219) on May 14, 1999. The source has since received the following:

(a) Reopening No. 141-13102-03219; Issued on September 27, 2002.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

The staff recommends to the Commissioner that the Minor Permit Revision be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on November 27, 2002.

Emission Calculations

Maximum capacity of crusher = 300 tons per hour
Emission Factor for PM (and PM-10) = 0.0024 lb/ton (AP-42, 1995, Table 11.19.2-2)
Potential to Emit = 300 tons/hr x 0.0024 lb/ton x 8760 hr/yr x 1ton/2000 lb = 3.15 tons per year.

Potential To Emit of Modification

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as "the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA."

Pollutant	Potential Emissions (tons/year)
PM	3.15
PM-10	3.15
SO_2	-
VOC	-
CO	-
NO_x	-

Potential to Emit Before Controls

The table below summarizes the total potential to emit, reflecting all limits, of the significant emission units at the source.

	Potential to Emit (tons/year)						
Process/facility	PM	PM-10	SO_2	VOC	CO	NO_X	HAPs
Aggregate Drying	53.22	41.64	93.95	13.13	31.44	71.11	11.07
Conveying/ Handling*	8.92	4.22	0.0	0.0	0.0	0.0	0.0
Unpaved Roads*	150.66	52.73	0.0	0.0	0.0	0.0	0.0
Storage Piles*	0.93	0.33	0.0	0.0	0.0	0.0	0.0
Rock Crusher	3.15	3.15	0.0	0.0	0.0	0.0	0.0
Cold-Mix Storage	0.0	0.0	0.0	85.82	0.0	0.0	0.0
Insignificant Activities	0.14	0.08	5.05	0.05	0.83	1.43	0.0

Total Emissions	217.0	99.0**	99.0	99.0	32.27	72.54	11.07

* These activities also qualify as insignificant activities

****** The PM-10 does not add up to 99 tons per year, but the entire source is limited to 99 tons per year of PM-10 emissions

County Attainment Status

The source is located in St. Joseph County.

Pollutant	Status
PM-10	Unclassifiable
SO_2	Attainment
NO_2	Attainment
Ozone	Attainment
CO	Attainment
Lead	Not Designated

(a) Volatile organic compounds (VOC) are precursors for the formation of ozone. Therefore, VOC emissions are considered when evaluating the rule applicability relating to the ozone standards. St. Joseph County has been designated as attainment or unclassifiable for ozone. Therefore, VOC emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 and 40 CFR 52.21.

(b) St. Joseph County has been classified as attainment or unclassifiable for all other criteria pollutants. Therefore, those emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 and 40 CFR 52.21.

Portable Source

(a) Initial Location
This is a portable source and its initial location is 24358 State Road 23, South Bend, Indiana 46614

(b) PSD and Emission Offset Requirements
The emissions from this portable source were reviewed under the requirements of the Prevention of Significant Deterioration (PSD), 326 IAC 2-2, 40 CFR 52.21, and Emission Offset, 326 IAC 2-3.

(c) Local Agency
Based on the initial location of this source, the St. Joseph County Health Department shall be contacted for additional air operating requirements. OAQ has the authority to issue this FESOP.

Federal Rule Applicability

(a) The rock crusher at this plant is subject to the New Source Performance Standard 326 IAC 12, 40 CFR 60.670 through 60.676, Subpart OOO (Standards of Performance for Nonmetallic Mineral Processing Plants). This rule applies to stack emissions from nonmetallic mineral processing facilities. This rule applies because the crushing operation at this plant is used for processing nonmetallic minerals. This rule requires the particulate emissions from any crushing operations and conveying operations, at which capture systems are not used to be limited to fifteen percent (15%) opacity or less and ten percent (10%) opacity or less, respectively.

(b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 40 CFR Part 61) and NESHAP for source categories (40 CFR Part 63) applicable to this source.

Federal rule applicability for all other emission units at this source remains unchanged from that determined in FESOP No. 141-9888-03219.

State Rule Applicability - Entire Source

The state rule applicability for the entire source remains unchanged from that determined in FESOP No. 141-9888-03219.

State Rule Applicability - Individual Facilities

326 IAC 6-3-2 (Process Operations)

The particulate matter (PM) from the rock crusher shall be limited by the following:

Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 55.0 P^{0.11} - 40$ where E = rate of emission in pounds per hour and P = process weight rate in tons per hour

For a process weight rate of 300 tons per hour (or 600,000 pounds per hour), E = 63.0 lb/hr or 275 tons per year. The potential to emit of the rock crusher is 3.15 tons per hour, therefore the rock crusher is in compliance with this rule.

The state rule applicability for all other emission units at this source remain unchanged from that determined in FESOP No. 141-9888-03219.

Compliance Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance monitoring requirements applicable to the rock crusher are as follows:

Pursuant to 40 CFR 60.675(c) and 40 CFR 60.11, opacity tests to determine compliance with the requirements of NSPS (326 IAC 12 and 40 CFR 60.672, Subpart OOO) shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after permit issuance. These tests shall be performed according to 326 IAC 3-6 (Source Sampling Procedures) utilizing U. S. EPA Method 9 (40 CFR Part 60, Appendix A) or other methods as approved by the

Commissioner.

Opacity testing on the rock crusher performed on October 14, 2002, will fulfill the above testing requirement. This testing was related to FESOP No. 089-15208-03215.

Fugitive emissions from the crushing operation shall be controlled by utilizing a continuous wet suppression system in order to meet the requirements of NSPS (326 IAC 12 and 40 CFR 60.672, Subpart OOO).

Conclusion

This permit revision shall be subject to the conditions of the attached proposed Minor Permit Revision No. 141-16847-03219.

CHANGES TO THE FESOP

These are changes to the FESOP No. 141-9888-03219 (~~strikeout~~ to show deletions and **bold** to show additions):

(1) Section A.3 is revised as follows:

(12) Four (4) surge silos, each with a capacity of 300 tons.
(13) One (1) dust silo, using one (1) jetpulse baghouse for controlling particulate matter emissions, exhausting at one (1) stack identified as S-2.
(14) one (1) portable tertiary crusher, with a maximum capacity of 300 tons per hour, using water spray for fugitive particulate emissions control.

(2) Section D.5 is added to the permit:

SECTION D.5 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

(14) one (1) portable tertiary crusher, with a maximum capacity of 300 tons per hour, using water spray for fugitive particulate emissions control.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emissions Limitations and Standards

D.5.1 General Provisions Relating to NSPS [326 IAC 12-1][40 CFR Part 60, Subpart A]

The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the facilities described in this section except when otherwise specified in 40 CFR Part 60, Subpart OOO.

D.5.2 Particulate Matter (PM) [40 CFR Part 60, Subpart OOO] [326 IAC 6-1-2]

(a) Pursuant to the New Source Performance Standards, 326 IAC 12 and 40 CFR 60.672 (b),(c), Subpart OOO (Standards of Performance for Nonmetallic Mineral Processing Plants) the particulate emissions from the crushing operation shall be limited to fifteen percent (15%) opacity or less and ten percent (10%) opacity or less, respectively.

(b) Pursuant to 326 IAC 6-1-2 (Particulate Emissions Limitations), the allowable particulate matter emissions from the crushing operations is 63.0 lb/hr.

Compliance Determination Requirements

D.5.3 Testing Requirements [326 IAC 2-1-4(f)]

Pursuant to 40 CFR 60.675(c) and 40 CFR 60.11, opacity tests to determine compliance with operation condition D.5.2 shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after permit issuance. These tests shall be performed according to 326 IAC 3-6 (Source Sampling Procedures) utilizing U. S. EPA Method 9 (40 CFR Part 60, Appendix A) or other methods as approved by the Commissioner.

Opacity testing on the rock crusher performed on October 14, 2002, will fulfill the above testing requirement. This testing was related to FESOP No. 089-15208-03215.

Compliance Monitoring Requirements

D.5.4 Continuous Wet Suppression

Fugitive emissions from the crushing operation shall be controlled by utilizing a continuous wet suppression system in order to meet the requirements of condition D.5.2.